OS Upgrade Testing

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Test Environment

- Interactive Test Blades
  - x86 (ac09) accessible via ssh to sles11-x86.larc.nasa.gov
  - p6 (bb102) accessible via ssh to sles11-ppc.larc.nasa.gov
- <u>Test CERES Environments</u>
  - x86: source /SCF/CERES/systems/testing/SLES11_UPGRADE_TEST/lib/x86-gnu/ceres-env.csh
  - p6: source /SCF/CERES/systems/testing/SLES11_UPGRADE_TEST/lib/p6-xlf/ceres-env.csh
- Test UGE (Batch) queue: "scf-sles11.q"
  - UGE x86 Job Slots (16)
    - scf-sles11.q@ac09.cluster.net (8)
    - scf-sles11.q@bf101 (8)
  - UGE p6 Job Slots (12)
    - scf-sles11.q@bb101 (4)
    - scf-sles11.q@bb102 (4)
    - scf-sles11.q@bb103 (4)
- Perl 5.16
  - x86 systems: /SPG_ops/utils/x86_64/sles11/perl/perl-5.16.0/bin/perl
  - p6 systems: /SPG_ops/utils/ppc64/sles11/perl/perl-5.16.0/bin/perl

DMT Required Testing

- Each Subsystem should test every PGE
  - Test each PGE on each of the appropriate test blades without recompiling the software
    - Compare output results with existing output from *AMI*
  - Recompile each PGE and test on each of the appropriate test blades listed above
    - Compare output results with existing output from *AMI*
  - Test any PGEs that use IDL with the new version of IDL (8.2)
- Report any system issues using an RT ticket (rt@sdhelp.larc.nasa.gov)
- Report results for each of the tests above to Nelson Hillyer (thomas.n.hillyer@nasa.gov)

Other Required Testing

- All validation and non-production science software should be tested on the appropriate test blades
  - Tests should include both running the software with and without recompilation
  - Any validation software using IDL should test with the new version of IDL (8.2)
  - Any validation Perl scripts should test with the new version of Perl on the test blades
- Report any system issues using an RT ticket (rt@sdhelp.larc.nasa.gov)

Schedule

- ASDC maintenance is scheduled for July 12 – 19, 2013
- All testing must be completed by July 10, 2013